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 ... dimension to achieve reliable communica- tion over **multiple-input multiple-output (MIMO)** channels. In particular, the application of such techniques to current wireless communication systems is of great interest. High- throughput communication in indoor wireless local area ...

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 ... area network LCS Location services LCD Liquid crystal display LO Local oscillator LP Low ... filter
 LTE Long-Term Evolution MAC Medium access control MAI **Multiple** access interference ... control
 function MGW Media gateway MHA Mast head amplifier **MIMO** **Multiple** input multiple ...

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RCJ Hsu, A Shah, B Jalali - IEICE Electronics Express, 2004 - J-STAGE
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AR Shah, RCJ Hsu, A Tarighati, AH ... - Journal of Lightwave ..., 2005 - opticsinfobase.org
 ... that allow us to recover data transmitted from **multiple** Tx's and received by **multiple** Rx's. ... We have
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 ... A. Dual-band Multi-channel RF Front-end The building blocks of the dual-band **MIMO** front-end

are shown in Figure 3, where ... must be accounted for in the design of multi-antenna radios: the architecture used for the synthesis and distribution of **multiple local oscillators** and the ...

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... and lospan Wireless, Inc, to develop such systems. Digital cordless telephony is typically employed in **local area/ low mobility appl-** ... 45, 35, 21]. This has motivated the research in **MIMO (Multiple-input multiple- output)** wireless links. ...

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V Jungnickel, T Haustein, E Jorswieck, V Pohl, ... - GLOBECOM-NEW ..., 2001 - iitb.ac.in

... with a relatively long Gold sequence π modulated onto the same **local oscillator** (LO) and ...

Research on **MIMO** systems for WLAN applications is being continued in order to ... time architecture for wireless communication in a fading environment when using **multiple antennas**," Bell ...

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... can be used at the transmitter and receiver, an arrangement called a **multiple-input mul** ... For a **MIMO** system with **antennas**, the pilot sequences can be coded over space ... Do- main—Any frequency offset between the transmitter and the receiver **local oscillators** is reflected in ...

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MA McKeown, DGM Cruickshank, JAB Lindsay, JS ... - Electronics ..., 2003 - iink.aip.org

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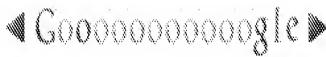
[\[PDF\]](#) **MIMO wireless communication channel phenomenology**

[psu.edu \[PDF\]](#)

DW Bliss, AM Chan, NB Chang - IEEE Transactions on Antennas and ..., 2004 - Citeseer

... While the advantages of **multiple receive an-tennas**, such as gain and spatial diversity, have been known and ... the ratio of capacity bounds for 0.2, 0.4, and 0.6 for a 4 4 **MIMO** system is displayed. ... transmitters can send independent sequences using a common **local oscillator**. ...

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